

PATENT

Atty. Okl No. AMAT/5750/CPI/LB/PJS

REMARKS

This is intended as a full and complete response to the Final Office Action dated March 25, 2005, having a shortened statutory period for response set to expire on June 25, 2005. Please reconsider the claims pending in the application for reasons discussed below.

Claims 1-6 remain pending in the application and are shown above. Claims 1-6 are rejected. Reconsideration of the rejected claims is requested for reasons presented below. Claim 1 is amended for clarity. A statement of common ownership is enclosed.

Claims 1-6 stand rejected under 35 USC § 103(a) in view of *Matsuse* (U.S. Patent No. 6,841,203) in view of *Tada* (U.S. Patent No. 6,841,203) or *Frankel* (U.S. Patent No. 6,845,303). Applicant respectfully traverses the rejection. *Matsuse* teaches a high frequency power supply 28 (column 7 line 66 to column 8 line 22) and illustrates power supply 28 with a wire. A microwave can not be transmitted by a wire. *Matsuse* does not suggest that the power supply 28 is interchangeable with any other activation method. *Tada* recites a microwave generator that is used to create an *in situ* plasma. Reliance on *Frankel* is obviated by the enclosed statement of common ownership. *Matsuse* and *Tada*, alone or in combination, do not teach, show, or suggest activating a cleaning gas including a compound containing fluorine atoms by exposure to microwaves, and then introducing the cleaning gas into a chamber, raising a temperature of a shower head to a temperature greater than that used when forming a film on a substrate; and removing a deposit comprising tungsten and silicon, as recited in claim 1, and claims dependent thereon. Withdrawal of the rejection is respectfully requested.

Applicant further traverses the rejection of dependent claims 2-6 on grounds that they depend on allowable subject matter. Withdrawal of the rejection is respectfully requested.

In conclusion, the references cited by the Examiner, alone or in combination, do not teach, show, or suggest the invention as claimed.

The secondary references made of record are noted. However, it is believed that the secondary references are no more pertinent to the Applicant's disclosure than the

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primary references cited in the Final Office Action. Therefore, Applicant believes that a detailed discussion of the secondary references is not necessary for a full and complete response to this Final Office Action.

Having addressed all issues set out in the Final Office Action, Applicant respectfully submits that the claims are in condition for allowance and respectfully request that the claims be allowed.

Respectfully submitted,



Keith M. Tackett
Registration No. 32, 005
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant(s)